



# AMERICAN JOURNAL OF EDUCATION

UNIVERSAL EDUCATION  
THE SAFETY OF A REPUBLIC

Vol. XXXV, No. 11.

MILWAUKEE, JUNE, 1902.

One Dollar a Year.

## A JOURNAL FOR PROGRESSIVE TEACHERS.

Entered Nov. 4, 1901, as second class matter. Postoffice at Milwaukee, Wis.  
Act of Congress of March 3, 1879.

### EDITORS.

S. Y. GILLAN, T. H. FERRIN, HENRY SABIN, W. I. CRANE, MARY G. EASTMAN,  
Milwaukee, Wis. St. Louis, Mo. Des Moines, Ia. Dayton, Ohio. Detroit, Michigan.

## CONTENTS

EDITORIAL.		Talks about bees. III. <i>E. A. Gast-</i>	
Women teachers criticised.....	345	<i>man</i> .....	361
Thieves and dead-beats.....	347	The cicada .....	363
A "practical" education.....	348	Hunting a position .....	363
The summer vacation.....	348	A reading lesson. <i>S. Y. G.</i> .....	365
The country schools.....	349	If not emphatic, cut it out.....	366
Wanted—a definition .....	349	A remarkable career.....	367
INSTITUTE.		Feeding habits of birds. II. <i>A. F.</i>	
Announcement .....	350	<i>Meyer</i> .....	368
Review exercises in grammar. <i>J. N.</i>		Addition problems for the little ones	369
<i>Patrick</i> .....	351	For the grammar class.....	370
"Persistent errors" in geography..	353	Specialists in high school science...	370
Easy lessons in science. <i>C. P. Sin-</i>		The young man's fancy.....	371
<i>nott</i> .....	354	How many feathers has a hen? ....	371
A test of geographical books.....	355	Three kinds of instructors.....	372
A plea for the "unschooled class"		CURIOSITIES AND QUIPS.....	373
<i>T. J. Fowler</i> .....	356	READINGS AND RECITATIONS.....	374
Animal stories for the geography		CORRESPONDENCE .....	376
class .....	356	BULLETIN .....	377
Our mother tongue in the public		LIBRARY .....	
schools. <i>W. I. Crane</i> .....	358		

Address all Correspondence to

S. Y. GILLAN & CO., - - MILWAUKEE, WIS.

## ADVERTISEMENTS.

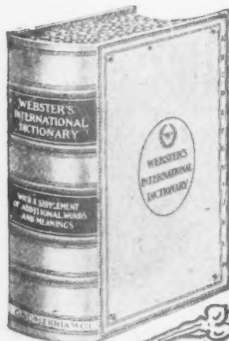
### MAYNARD MERRILL & CO.,

Publish approved Text-Books in Reading, Writing, Drawing, Spelling, Arithmetic, Algebra, History, Language work Grammar, English Literature, Rhetoric, Physiology, Psychology, Physics, Political Economy, Mythology, Music, etc.

BOSTON.

NEW YORK.

CHICAGO.



### The New and Enlarged Edition is **The Teacher's Choice**

A Dictionary of ENGLISH, Biography, Geography, Fiction, etc.

**New Plates Throughout**

Now Added **25,000 NEW WORDS**, Phrases, Etc.

Edited by W. T. HARRIS, Ph.D., LL.D.,

United States Commissioner of Education.

**Rich Bindings 2364 Pages 5000 Illustrations**

HON. CHAS. R. SKINNER, New York State Supt. of Schools, calls it

### **THE KING AMONG BOOKS**

Also Webster's Collegiate Dictionary with Scottish Glossary, etc.

1100 Pages. 1400 Illustrations. Size 7 x 10 x 2 1/4 inches.

\*First-class in quality, second-class in size. \*Nicholas Murray Butler.

Specimen pages, etc., of both books sent on application.

**G. & C. MERRIAM CO., Springfield, Mass.**

### 1,000 Teachers Wanted!



An opportunity for teachers, male and female, that has never been equalled! The National Correspondence Institute wants 1,000 teachers and County Superintendents in different parts of the country to act as its representatives. Need not interfere with your present work. Splendid opportunity to add to your income. No canvassing required. None but teachers who can give good references need apply. Write to-day for particulars.

NATIONAL CORRESPONDENCE INSTITUTE,  
23-76 Second Nat'l Bank Building, Washington, D.C.

### THE BEST SCHOOL PENS

ARE

## ESTERBROOK'S

SLANT AND VERTICAL

All the Popular Styles



Ask your Stationer.

ONE HUNDRED AND FIFTY VARIETIES

THE **Esterbrook Steel Pen Co.**

Works, Camden, N. J. 26 John St., New York.

## Does Your School Need A Piano?



England Conservatory of Music of Boston) has purchased 266 Ivers & Pond pianos. We send our pianos, freight prepaid, on approval anywhere in the United States where no dealer sells them, and if unsatisfactory take them back, and pay return freights also. We sell on the Easy Pay plan and take old instruments in exchange. If you are the least bit interested and will send us your name and address, we will gladly mail you our new catalogue, together with list of schools and colleges using our pianos and a personal letter quoting lowest prices and explaining in detail our special proposition to schools.

**IVERS & POND PIANO CO., 157 BOYLSTON ST., BOSTON, MASS.**

WE MAKE A SPECIAL DISCOUNT on pianos for school use, and if you are going to need one or more pianos during the coming school year we are sure that our special school offer will interest you. More than two hundred of the leading Musical and Educational Institutions throughout the country are using and recommending the Ivers & Pond piano.

One institution alone (the New

ork  
eto.

176

## ADVERTISEMENTS.

**10 CENTS** buys "A Field Key to Our Common Birds" classification based on *color and size*. Gives song, calls, haunts, and time of occurrence; based on Wisconsin birds. Distinctly a field key. Address: **ADOLPH F. MEYER**, Cedarburg, Wisconsin.  
 "A useful little work." Frank M. Chapman, N. Y.  
 "Should be in the hands of all teachers and (older) children." Henry Nehrling, Milwaukee, Wis

We have now 100 vacancies for City Superintendents, 140 High School and 80 Grade positions in Missouri, good salary, here is an opportunity for you; write for instructions how to secure one of these positions.

### OHIO VALLEY TEACHERS' AGENCY,

E. E. Olcott, Mgr.

Louisville, Ky.

### The State University of Iowa.

SUMMER SESSION from June 16th to July 26th, 1902, including the SUMMER SCHOOL FOR LIBRARY TRAINING. Over sixty courses in science, letters, philosophy and education, arranged especially for superintendents, principals and high school teachers and conducted mainly by the heads of departments of the University. Opportunities for pursuing graduate studies.

Tuition, five dollars. No extra charge. College graduates admitted free, except to Library School. Living expenses moderate. Good location.

Address

President G. E. MACLEAN, Iowa City, Ia.

### THE EDUCATIONAL EXCHANGE

Enjoys the confidence of teachers and employers because it confines itself to a LEGITIMATE BUSINESS on CONSERVATIVE LINES. We should be pleased to explain our plans to you.

Address, **HENRY SABIN**,

Manhattan Bldg.,

DES MOINES, IA.

### SUMMER SESSION

## Cornell University,

July 7 to August 16, 1902.

**94 COURSES IN 23 DEPARTMENTS.**

Single Tuition Fee of \$25. Inexpensive Living. For Circular and Book of Views, address,

The Registrar, Cornell University, Ithaca, N. Y.

### Harvard University.

## Summer Courses of Instruction

In languages, history, government, psychology, education, art, music, mathematics, surveying, shopwork, physics, chemistry, botany, geology, geography, and in physical education. Especially designed for teachers, men and women. July 5 to August 15. For information about courses, lodgings, expenses, and reduced railway fares, address J. L. LOVE, 16 University Hall, Cambridge, Mass.

N. S. SHALER,  
Chairman of Committee.

## University of the....

...State of Missouri.

FOUNDED IN 1840.

Has departments of Language, Science, History, Economics, Philosophy, and Pedagogy, and also of Law, Medicine, Engineering (Civil, Electrical, Sanitary, and Mechanical), Agriculture, Horticulture, Entomology, Veterinary Science, and Mechanic Arts, all at Columbia, Mo. Instruction is given in Military Science and Tactics also, and in Stenography and Business Forms.

**All Departments Open to Women.**

**Tuition Free.**

Fourteen buildings, supplied with water, steam heat and electricity. New Greenhouse and laboratory of Horticulture. New laboratories of Physiology, Bacteriology, and Pathology in Medical department. Furniture, library, and equipment for scientific and technical work all new.

**Ninety Professors, Instructors, and Assistants in the whole University.**

Examinations for entrance are held in Columbia during the four days preceding the opening of the University. For cadetship apply to your senator or representative. The school of Mines and Metallurgy at Rolla, is a department of the University.

For catalogue, address,

IRVIN SWITZLER, Registrar,  
Columbia, Mo.



## Summer Sessions for Teachers Begin May 19 and June 30 . . . . .

—each six weeks—

## ALL WORK ELECTIVE

SEND FOR SUMMER CATALOGUE

**W. N. FERRIS, - PRES.**

Big Rapids, Mich.



## RAND, McNALLY & CO.'S NEWEST PUBLICATIONS



"Ten Sunbonnet Babies all 'in a Row'."

### THE SUNBONNET BABIES' PRIMER

By Eulalie Osgood Grover.

Illustrated with 86 plates in four colors, by Miss Corbett, "The Mother of the Sunbonnet Babies." For the primary grades. Cloth cover in colors, 110 pages, 40 cents.

The quaint manner of the Babies, and the dainty colors of the illustrations will catch the eyes of children and interest them at once.

### A CHILD'S GARDEN OF VERSES

By Robert Louis Stevenson, with a special introduction.

Profusely illustrated by Miss Mars and Miss Squire, with 10 full pages in colors, 12 half-tone plates, and 39 drawings in the text. Cloth cover in colors, 94 pages, 50 cents.

A book of simple poetry for the primary grades, of wise observation, kindly sympathy, and fanciful humor, now for the first time available as a suitable supplementary reader. A Child's classic.

### NORSE STORIES

By Hamilton Wright Mable, with a special introduction.

Edited by Katharine Lee Bates, Professor of English Literature, Wellesley College. Illustrated with 10 full page plates by Geo. Wright. Cloth, 304 pages, 40 cts.

For the fourth and fifth grades. These stories teach life as a tremendous fight. The heroes acquit themselves like men, enduring hardship without repining, doing work honestly and with a whole heart.

### THE CANTERBURY CLASSICS

#### A New Series of Supplementary Readers

For all grades. Edited under the general supervision of Katharine Lee Bates, Professor of English Literature in Wellesley College.

#### RAB AND HIS FRIENDS, AND OTHER DOG STORIES

By Dr. John Brown. Edited by Charles W. French, Principal of the Hyde Park High School, Chicago. Illustrated with a portrait of Dr. Brown, 6 full page and 21 text drawings by Angus MacDonald, and 9 reproductions of original sketches by the author. Cloth, 150 pages, 25 cents.

#### THE GOLD BUG

By Edgar Allan Poe. Edited by Theda Gildemeister, Training Teacher in the State Normal School, Winona, Minn. Illustrated with the Zolnay bust of Poe as frontispiece, a map, and 6 full-page drawings by G. C. Widney. Cloth, 111 pp; 25 cents.

Over twenty volumes in this series are in preparation. May we send you a list?

CHICAGO

NEW YORK

LONDON

## Two Important New Books

### ELEMENTARY PHYSIOLOGY: For Grammar Grades

By BUEL P. COLTON, Professor of Natural Science, Illinois State Normal Univ.

The Elementary Physiology is a new book written especially for pupils in Grammar Grades. It presents the essentials of anatomy and physiology in simple and direct form, and shows their application to hygiene. An unusual amount of space is devoted to the practical side of physiology, and the connection between good health and proper habits is clearly set forth. The book contains the proportion of matter devoted to the study of stimulants and narcotics required by the various state laws.

Cloth. 320 pages. Fully Illustrated. Price, 60 Cents.

### ELEMENTS OF PHYSICS. By A. T. FISHER, and M. J. PATTERSON

This new Physics supplies a need which no other book meets. It combines experimental and descriptive physics in a manner suited to schools with limited laboratory equipment. It is thoroughly modern, giving detailed descriptions of such topics as Liquid Air, The Wireless Telegraph, etc. All the work is practical, the experiments can be done with home-made apparatus, the directions are clear and explicit, and the illustrations helpful. The scientific accuracy of the text is assured from the fact that manuscript and proof have been read by eminent college physicists and successful high-school teachers.

Cloth. 190 pages. Illustrated. Price, 60 cents.

**D. C. HEATH & COMPANY, Publishers**

BOSTON

NEW YORK

CHICAGO

LONDON

# Illinois Central R.R.



**EFFICIENTLY  
SERVES  
A VAST  
TERRITORY**

by through service to and  
from the following cities:

CHICAGO, ILL.  
OMAHA, NEB.  
MINNEAPOLIS, MINN.  
ST. PAUL, MINN.  
KANSAS CITY, MO.  
PEORIA, ILL.  
EVANSVILLE, IND.  
ST. LOUIS, MO.

CINCINNATI, OHIO.  
NEW ORLEANS, LA.  
MEMPHIS, TENN.  
HOT SPRINGS, ARK.  
LOUISVILLE, KY.  
NASHVILLE, TENN.  
ATLANTA, GA.  
JACKSONVILLE, FLA.

Through excursion sleeping-car service between  
Chicago and between Cincinnati

**AND THE PACIFIC COAST.**

Connections at above terminals for the

**EAST, SOUTH, WEST, NORTH.**

Fast and Handsomely Equipped Steam-Heated  
Trains—Dining Cars—Buffet-Library Cars—  
Sleeping Cars—Free Reclining Chair Cars.

Particulars of agents of the Illinois Central and  
connecting lines.

A. H. HANSON, Gen'l Pass'r Agent, CHICAGO.

## FRUIT GROWERS... TRUCK FARMERS..

INVESTIGATE THE

## 40-Acre Tracts

FOR SALE ON THE LINE OF THE



IN THE CELEBRATED

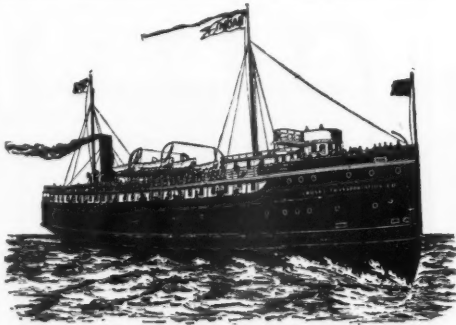
## Peach Belt of Alabama.

This is a rare opportunity for profitable  
investment, if you have idle money; a better  
opportunity if you are looking for a good  
home and steady income in a healthful cli-  
mate and pleasant environments.

To get in touch, write

**JNO. M. BEALL,**

Ass't Gen'l Passenger Agent, M. & O. R. R.,  
ST. LOUIS, MO.



## The N. E. A.

At Minneapolis,

JULY 7-12

**ONE FARE** Plus \$2 **ROUND TRIP**  
for the

TICKETS GOOD TO SEPTEMBER 1.

The LAKE AND  
RAIL TRIP via the

**CROSBY LINE Steamers**  
And **GRAND TRUNK R'Y**

Is the popular short line to all points in Michigan, Canada and the East. For information  
of great value to individuals or to parties traveling in clubs, write to

**J. C. GRIFFIN, G. P. A., 400 East Water Street, Milwaukee, Wis.**

# The Southern Railway

Is the direct line  
from all sections of  
the country to the

South Carolina Inter-State  
and West Indian

# EXPOSITION

CHARLESTON, S. C.

Through sleeping car service from St.  
Louis, Louisville and Cincinnati, either  
via Atlanta, Ga., or via Asheville, N. C.

## VERY LOW RATES

Write for full particulars to

J. S. McCULLOUGH, N. W. P. A.  
225 Dearborn, St., Chicago.

G. B. ALLEN, A. G. P. A.,  
St. Louis, Mo.

**\$85.00**

IS ALL IT WILL COST FOR A TRIP  
THROUGH

## Yellowstone Park

AT THE CLOSE OF THE  
MINNEAPOLIS CONVENTION.

## THE NORTHERN PACIFIC

makes a proposition that you cannot  
ignore. For \$85.00 they will sell you a  
ticket covering railway and Pullman fares,  
dining car meals on train, and hotel bills  
and stage coach transportation for the five  
and one-half days in the Park. The round  
trip will require about nine days from Min-  
neapolis.

If a sufficient number go, a SPECIAL  
TRAIN of Pullman and Dining Cars will be  
placed at your disposal.

Send 6 cents for "Wonderland 1902," 25  
cents for "Yellowstone National Park," and  
for any additional information write to

CHAS. S. FEE,  
G. P. & T. A., N. P. R.,  
ST. PAUL, MINN.

## TICKETS TO New York AND Boston —VIA— BIG FOUR ROUTE

### LOOK AT THE SCHEDULE:

Le. St. Louis	8:30 a.m.	12:00 noon.	8:06 p.m.
Ar. Buffalo	2:55 a.m.	6:18 a.m.	7:30 p.m.
Ar. New York	2:55 p.m.	6:00 p.m.	8:00 a.m.
Ar. Boston	4:55 p.m.	9:00 p.m.	10:34 a.m.

Through Coaches, Dining Cars,  
Sleepers and Library Café Cars  
from St. Louis.

For Guides, Maps, Rates, Sleep-  
ing Car and Railroad Tickets,  
call at

**Big Four Ticket Office**  
**BROADWAY AND CHESTNUT.**

Or address, C. L. HILLEARY,  
A. G. P. A., ST. LOUIS.

THE NEW  
COMPARTMENT SLEEPING  
CARS of the  
"GREAT WESTERN LIMITED"  
are the height of luxury.  
They are of the latest design and  
contain all toilet accessories.  
Every night between Chicago and  
St. Paul and Minneapolis

via

## Chicago Great Western Railway

J. P. ELMER,  
General Passenger Agent,  
115 Adams St. CHICAGO.



## ADVERTISEMENTS.

### SPECIAL EDITION OF TARBELL'S GEOGRAPHIES

#### THE TARBELL PLAN FOR SPECIAL GEOGRAPHY.

Instead of confining the study of "Special Geography" to the minor, and often valueless, details of a single State, Tarbell's Complete Geography divides the United States into *Physical Groups* of States, and treats each Natural Section in a Special Supplement. The great educational advantage of this method of teaching special geography of the States is apparent.

THE SPECIAL GROUP EDITIONS of Tarbell's Complete Geography now ready are:

	Retail Price.
The New England States - -	\$1.10
The Middle Atlantic States - -	1.10
The East Central States - -	1.10
The West Central States - -	1.10

THE GENERAL EDITION of Tarbell's Complete Geography without Special Geography, \$1.00.

*We solicit correspondence from superintendents, teachers and school officers,  
relative to the examination and introduction of this  
Series of Geographies.*

### WERNER SCHOOL BOOK COMPANY

NEW YORK

CHICAGO

BOSTON

# 15 CENTS

Will bring you, on trial, 13 weeks.

#### • The Pathfinder •

THE OLD RELIABLE NATIONAL  
NEWS-REVIEW.

This paper gives you every week ALL the important news of the world stated clearly and without bias. It is the only news review that is truly comprehensive; and it is at the same time not padded or bulky. It gives you the wheat without the chaff. It is a time-saver for all business people. In purpose it is high-toned, healthy and inspiring; it is a protest against sensational journalism. It takes the place of periodicals costing \$2.50 and \$3.00. Try it and you would not be without it for many times its cost—\$1.00 a year. Address

THE PATHFINDER,

Washington, D. C.

July 1, for \$125

### A THIRTY DAYS' BOSTON TRIP TO . . . . BOSTON

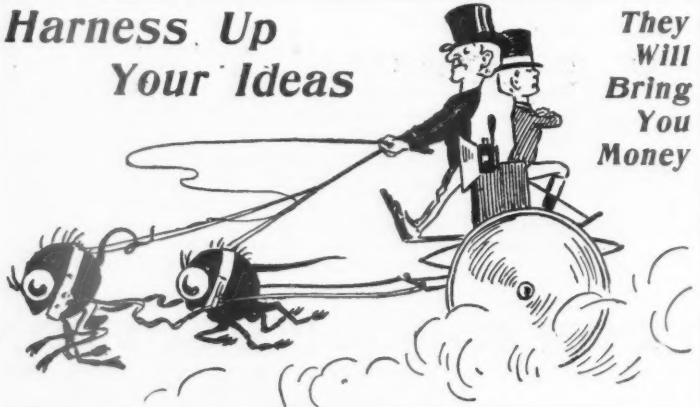
from Milwaukee, Chicago, or Manitowoc, going via Toronto, Niagara Falls, Kingston, Thousand Islands, Montreal and Quebec, returning via New York, Philadelphia, Washington and Chicago. The price includes all railroad fare, steamer ride Toronto to Niagara Falls and return, steamer ride down the St. Lawrence through the Thousand Islands, steamer ride from Boston to Portland, Maine and return, steamer ride up the Hudson, berth in private car for entire time, but does not include meals taken while away from car. Lunches will be put up for each person, when desired, without charge when party does not wish to return to car for regular meal. This itinerary provides for 7 days in Boston, 5 days in New York, 5 days in Washington, 2 days in Quebec, and one day at each of places named where it can be made within the limitations of the railroad ticket. The party will be under the personal direction of J. M. Turner and will be limited in number to 25 persons. The first to request reservation will have choice of position in car. For further information write

J. M. TURNER,

400 E. Water St., Milwaukee, Wis.

**Harness Up  
Your Ideas**

**They  
Will  
Bring  
You  
Money**



**\$25 For the Best Paper on the Use of \$25  
Current Events in School Work**

During the Summer Vacation, if you will take the trouble, while swinging in the hammock, to jot down your ideas and experiences in connection with the above subject and then put them into a paper of 1,000 words, we will forward you our check for \$25, provided yours is the best paper sent in. If it is the next best, you will get your choice of a \$10 bill or a leather bound copy of that incomparable reference book, "The Century Cyclopedia of Names."

Practical suggestions are what we want.

**You Can Have Another Twenty-Five Dollars**

for the best paper of 1,000 words containing suggestions as to "How to improve THE LITTLE CHRONICLE," with the \$10 consolation prize for second best. Meanwhile you cannot do your teacher friends a better service than to tell them about

**THE-TWO-CENT-A-WEEK PLAN.** On orders for 10 or more copies of THE LITTLE CHRONICLE to one address for 5 or more weeks we make a rate of 2 cents per week per copy. After the first five weeks it is not necessary to subscribe for any fixed period as it will be continued at the same rate as long as desired. Pupils can bring 2 cents per week or 10 cents for five weeks, the teacher remitting at the beginning or end of every five weeks, as convenient.

All the samples you want for pupils and parents, and free desk copy with each club.  
**Address THE LITTLE CHRONICLE HEADQUARTERS, 811 Goldsmith Building, MILWAUKEE, WIS.**

ADVERTISEMENTS.

## Where Will You Attend School ?

✓ **VALPARAISO COLLEGE and Northern Indiana Normal School,**

... ONE OF THE ...

### LARGEST and BEST EQUIPPED COLLEGES in the UNITED STATES

Offers exceptionally fine opportunities for doing a high grade of work in the following

**DEPARTMENTS :** Preparatory, Teachers, Scientific, Classic, Engineering, Oratory, Pharmacy, Musical, Fine Arts, Law, Commercial, Phonography and Typewriting, Review.

The institution is well equipped with buildings, apparatus, library, etc. (The new Science Hall, recently completed, has laboratory facilities sufficient for accommodating 400 students working at one time.) Each department of the school is supplied with everything necessary for its special work. For example:

**The Collegiate Department** is provided with special library, apparatus, laboratories, etc., and offers every advantage for thoroughness that can be found at the older colleges and universities.

**The Pedagogical Department** is not only supplied with a full reference library, consisting of all the latest and most approved books treating on professional work, but it has also excellent apparatus for experimental purposes.

**The Commercial Department** is provided with a more extensive line of offices than has ever been attempted by any other school.

**The Pharmacy Department** is one of the few in the United States that has laboratory facilities for doing all the work. What is true of the equipments of these departments is true of the other departments. Attention is called to this to show that while the

#### EXPENSES HERE ARE ABOUT ONE-THIRD AS GREAT

as at other high grade schools, yet the advantages are in every way equal and in most cases superior. Tuition, \$10 per term. Board and furnished room, \$1.50 to \$1.00 per week. Catalogue free. Address

**H. B. BROWN, President, Valparaiso, Ind.**

Or **O. P. KINSEY, Vice-President,**

**CALENDAR:** Fall Term will open Sept. 2, 1902; First Winter Term, Nov. 11, 1902; Second Winter Term, Jan. 20, 1903; Spring Term, March 31, 1903; Summer Term, June 9, 1903.

## The Western Teacher Song Book.

40th THOUSAND.

**NEW EDITION WITH MUSIC.**  
The best collection of popular and patriotic songs for common school use. Bound in heavy paper, leatherette back. In use in many teachers' institutes in Wisconsin, Iowa and other states.

At slight expense you can get a supply of these books for your school. Price \$1.00 a dozen. A sample copy will be sent on receipt of five two-cent stamps. Special introduction rates.

PUBLISHED BY

**S. Y. GILLAN & CO.,**

141 Wisconsin Street, MILWAUKEE, WIS.

# Some Good Books for Teachers

- No. 1. **TRACING AND SKETCHING LESSONS IN GEOGRAPHY**, by S. Y. Gillan. As a hand-book for the teacher's guidance, and a source from which to get supplementary matter with which to enliven and enrich the work in this branch, the book fills a place not occupied by any other. Price, in Paper, 40 cents; Cloth, 75 cents.
- No. 3. **LANGUAGE LESSONS**.—A storehouse of supplementary matter for teachers of all grades. Price, 30 cents.
- No. 4. **READINGS AND RECITATIONS**.—Selected from this department in the Western Teacher. Price, 20 cents.
- No. 5. **ARITHMETIC IN THE COMMON SCHOOL**, by S. Y. Gillan. Contains helpful special methods and devices for the teaching of particular subjects and for teachers in all grades. Price, 40 cents.
- No. 6. **CURIOSITIES FOR THE SCHOOLROOM**.—A collection of well chosen exercises to stimulate interest and investigation on the part of pupils. Price, 10 cts.
- No. 7. **DRILL TABLES AND PROBLEMS IN ARITHMETIC** for Mental Training, by W. C. Hewitt and S. Y. Gillan, is a unique series of lessons differing widely from the so-called mental arithmetic. Price 10 cents, \$1.00 a dozen.
- No. 8. **RIFFLE CREEK PAPERS AND LITTLE SERMONS**, by S. Y. Gillan, present in a practical way some of the basic facts of pedagogy. The development of each subject proceeds on the assumption that plain language and practical illustrations are the best medium for imparting educational doctrine. Paper, 40 cts., Cloth, 65 cts.
- No. 9. (Special) **ATLAS OF TWO WARS**. A collection of up-to-date maps of the Philippines and the Transvaal, also of Cuba, Porto Rico and Hawaii, and a correct map showing territorial growth of the United States. Price 25 cents.
- No. 10. **GRAINS OF WHEAT WITHOUT THE CHAFF**, winnowed by S. Y. Gillan. A rich collection of pedagogical articles written in a pleasing style. Price 20 cents.
- No. 11. **MATHEMATICAL GEOGRAPHY**, by S. Y. Gillan. Price 10 cents.
- No. 12. **MUSIC STUDENTS' GUIDE**, by Mrs. H. R. Reynolds, Supervisor of Music, Des Moines, Iowa. Price, 25 cents.
- No. 13. **SUPPLEMENTARY LESSONS IN GEOGRAPHY**, compiled by S. Y. Gillan, is just what its name indicates. Price, 20 cents.
- No. 14. **PAGE'S THEORY AND PRACTICE OF TEACHING**. Edited by S. Y. Gillan. Price, 40 cents.
- No. 15. **HANDY ATLAS OF THE WORLD**. 400 pages. Accurate maps and descriptive matter. Census of 1900. 40 cents.
- No. 16. **WESTERN TEACHER SONG BOOK**.—Price, 10 cents; \$1 a doz.
- No. 17. **A SUMMER OF SATURDAYS**, by C. W. Smith. This story is rich in boy study and nature study. Price 40 cents, (paper), 65 cents (cloth).

We cannot send any of these numbers as free sample copies, but will refund the money for any one that is returned as unsatisfactory within a week after its receipt by the purchaser.

**S. Y. GILLAN & CO.,** 141 Wisconsin St., Milwaukee, Wis.

ADVERTISEMENTS.

# THE MACMILLAN COMPANY

## BOOKS FOR COMMON SCHOOLS

### TARR & McMURRY GEOGRAPHIES

Two-book series.  
Three-book series.  
Five book series.

### McCLELLAN & AMES ARITHMETICS

Two books.

### FOUNDATION LESSONS IN ENGLISH \*

Woodley (two books).

### BLAISDELL CHILD LIFE READERS

Primer.  
Five readers.

### BLAISDELL SPELLERS

Two books.  
Complete.

### APPLIED ENGLISH GRAMMAR

Lewis.

## SUPPLEMENTARY READING

If you are interested in these books, or contemplate changes in secondary school text books, we shall be glad to correspond with you.

# THE MACMILLAN COMPANY

378 Wabash Ave., CHICAGO.

NEW YORK.

BOSTON.

ATLANTA.

SAN FRANCISCO.

## The Young Citizen.

SUPPLEMENTARY READING IN A NEW  
AND ATTRACTIVE FORM . . . . .

### FOR ALL SCHOOLS AND ALL GRADES.

High Class articles on art, nature and history, with pictures of famous paintings, new music, club magazine miscellany.

### EVERY SCHOOL SHOULD HAVE IT.

Suggestions for school clubs and societies. Programs for entertainments. Current news  
Busy work for the primary.

### SPECIAL OFFER TO COUNTRY SCHOOLS.

Write for Particulars.  
Sample Copy Free.

THE YOUNG CITIZEN PUBLISHING CO.,  
CEDAR FALLS, IOWA.

**MAPS.** Classical, Historical, Political, Physical, and Special.

**GLOBES.** Terrestrial and Celestial.

**BOOKS.** Pedagogical, Library, Reference, and Supplementary.

**PAPERS.** All Sizes and Rulings.

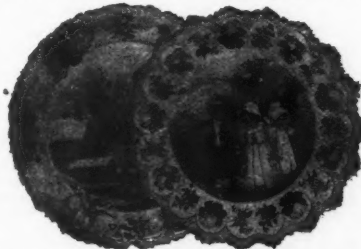
### EDUCATIONAL SPECIALTIES.

## J.L. HAMMETT COMPANY

116 to 120 Summer Street, Boston, Mass.

New York Office, 70 Fifth Ave.

### ... FINE GIFT CARDS ...

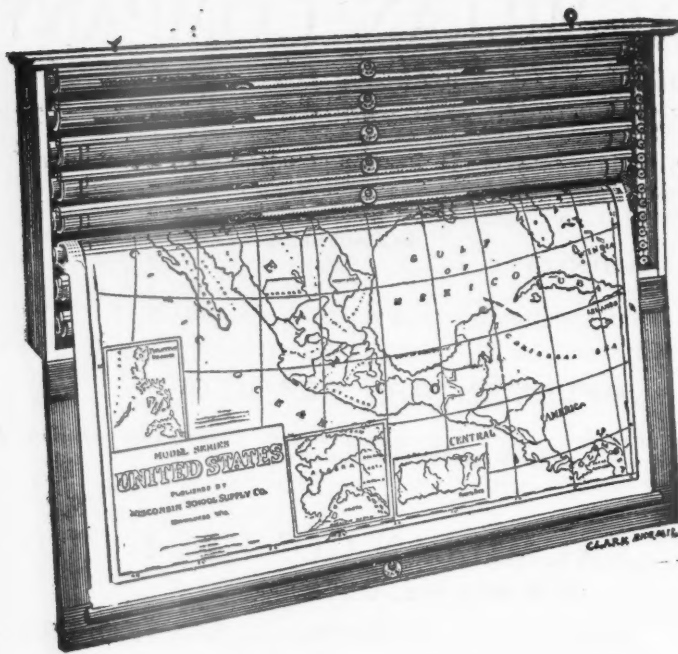


The above cards are 9 inches in diameter, embossed, 6 designs, rich colors, floral border, elegant, heavy cards, 5c each. Catalogue of Cards, Souvenirs, Dialogue Books, etc., free.

JOHN WILCOX, Milford, N. Y.



## ADVERTISEMENTS.



**Model Series  
Maps and Globes**

**Model Series  
Pens and Pencils**

**Model Series  
School Records**

INCLUDING

**MAYNE'S**

**Registers and**

**Record Books**

**For Common, Graded  
and High Schools.**

**For full information  
address**

**Wisconsin School  
Supply Company,  
MILWAUKEE, WIS.**

**AGENTS WANTED**

## ELEMENTS OF . . . PEDAGOGICS.

By J. N. PATRICK.

**In use in more than fifty High Schools  
in Wisconsin.**

*A few specimen opinions:*

**A. A. THOMSON, State Inspector of Schools,  
Madison, Wis.:**

"It is the best work in the line of practical Pedagogy for the country school teacher that I have yet seen. I shall use it in my school."

**L. D. HARVEY, State Supt. Wisconsin:**

"Patrick's Elements of Pedagogics discusses practical questions in a practical way. I know of no better book for those who are beginning the study of pedagogy."

**Supt. J. M. GREENWOOD, Kansas City, Mo.:**

"Elements of Pedagogics is one of the most pointed and inspiring books I ever read. There is not a padded sentence in it. Every one interested in education should read it. No progressive teacher can read the book without wanting more."

**Single Copies, 65 cents. Per dozen, \$6.50.**

**Address, S. Y. GILLAN & CO.,**

**141 WISCONSIN ST.,**

**MILWAUKEE, WIS.**

*A new Book of great and lasting interest to Teachers, just issued.*

## JEAN MITCHELL'S SCHOOL

BY ANGELINA WRAY.

I have read and re-read the book. It is concrete pedagogy with life in it, a worthy contribution to the school thought and practice of the time.—Supt. L. H. Jones, Cleveland.

**JEAN MITCHELL'S SCHOOL** is superior beyond all comparison as a story of the School. The Evolution of Dodd is a strong example of special pleading, but Miss Wray has given us in Jean Mitchell, the teacher pure and simple in the midst of her wonderful work. The drama here unfolded is that belonging to this fundamental institution—the school. The teacher is a real heroine, winning, one by one, the lawless and the churlish among her pupils to a spirit of loving obedience and mutual regard and good fellowship.

This volume of 300 pages shows the growth of the "Ideal School" from month to month throughout the year. It is beautifully illustrated with drawings from nature studies appropriate to each month of the school year, and with half-tone pictures of the dramatic scenes. Elegantly bound in cloth. Price, \$1.25. Send to the

**PUBLIC SCHOOL PUBLISHING CO.,  
BLOOMINGTON, ILL.**

*They also publish*

### SCHOOL AND HOME EDUCATION,

an educational journal of the highest class, edited by Geo. P. Brown, and of interest to teachers in all grades. Subscription price, \$1.25. Write for a sample copy.

*For books for supplementary Reading or for the Professional Reading of Teachers, write the*

**PUBLIC SCHOOL PUBLISHING CO.  
BLOOMINGTON, ILL.**

## ADVERTISEMENTS.

### The Western Teachers' Agency.

#### IF YOU WANT A PLACE

Do not make the mistake of waiting until you despair of finding it through your own efforts. Better late than never, but the wiser plan is to enroll early and then find a place for yourself if you can. Your chance to work for yourself is just as good, and you will have the satisfaction of knowing that the agency is also working intelligently for your interests. Many of the best places are filled by agencies before the vacancies are made public, and often before the vacation season.

For circulars giving particulars and exceptionally strong testimonials, address

**S. Y. GILLAN & CO.,**

CEDAR FALLS, IA. MILWAUKEE, WIS.  
PARK RIVER, N. D.

#### ARE YOU A

### SUNDAY SCHOOL Teacher or Officer?

If so, write for a free copy of a booklet setting forth a system of organization and records which constitutes a most wholesome incentive, increasing the attendance and enhancing the interest of Sunday school scholars wherever tried.

Highly recommended by Pastors and Superintendents throughout the United States and Canada. In writing, give name of Superintendent and Secretary, size and denomination of School.

Address Mrs. MARY G. EASTMAN, Detroit, Mich.

### YOUR VACATION

Where will you spend it? Why not join a Select Party of cultured people and go to the beautiful and romantic

#### LAND OF EVANGELINE, NOVA SCOTIA?

SPECIAL FACILITIES FOR STUDYING LONGFELLOW'S FAMOUS POEM

Nova Scotia is an ideal vacation land—full of trout, shad, salmon, pine woods and ozone. The nights are invariably cool and the air bracing. The tired brain-worker builds up faster than in any land we have ever visited. There are all the fascinations of a foreign tour, including a delicious little taste of salt (only one night at sea). We shall conduct two parties this season, one in July, and one in August—our ninth season. If you are thinking of going to Nova Scotia write us. Prospectus on receipt of stamp. Address, Managing Editor "EDUCATION," 50 Bromfield street, Boston, Mass.

THE STANDARD AMERICAN BRAND.  
(ESTABLISHED 1860.)



SCHOOL PENS

FOR

Vertical Writing.

Samples and prices sent to teachers on receipt of return postage.

**SPENCERIAN PEN CO.,**

New York, N. Y.

**BARRY LINE STEAMERS**

**Daily to Chicago**

and RACINE at

8 p. m. Fare 75c. Regular line four times a week to Sheboygan, Manitowoc, Two Creeks, Kewaunee, Algoma, Sturgeon Bay, Sawyer, Menominee, Marinette and all points on Green Bay.

Office and Docks East Water and Detroit Streets.

MILWAUKEE.

SPEND A WEEK OF YOUR VACATION

—AT—

### FRENCH LICK SPRINGS

IN THE HIGHLANDS OF  
SOUTHERN INDIANA

FOR

Health, Rest and Pleasure.

#### NEW FIRE PROOF HOTEL.

Fine Golf Links, Kentucky Saddle Horses and every kind of outdoor exercises.

Two trains from Chicago daily via

### The MONON ROUTE

Pullman Sleeper direct to the Springs on night trains. For pamphlets, etc. address

**FRANK J. REED**, Gen. Pass. Agt. CHICAGO.  
**M. HUNTER**, Com'l Agent, MILWAUKEE.  
**E. H. BACON**, Dist. Pass. Agent, LOUISVILLE, KY.

ADVERTISEMENTS.



With its thousands of miles of perfectly equipped road reaches the most important points in  
**Illinois, Iowa, Wisconsin, Northern Michigan, Minnesota, North and South Dakota, Nebraska and Wyoming.**

**SOLID VESTIBULED TRAINS**

Between Chicago and St. Paul, Minneapolis, Council Bluffs, Omaha, Denver and Portland.

**FREE RECLINING CHAIR CARS**

Between Chicago, Council Bluffs, Omaha, Denver and Portland.

**THROUGH SLEEPING CARS**

Between Chicago and San Francisco without Change.

**SUPERB DINING CARS**

For Tickets, Time Tables and full information apply to Agents

**CHICAGO & NORTHWESTERN RAILWAY,**

Or address the Gen'l Pass. and Ticket Ag't at Chicago.

**E. R. McCULLOUGH,**  
3d Vice-President.

**W. B. KNISKERN**  
Gen. Pass. & Tkt. Agt.  
Chicago.

**Chicago, Milwaukee & St. Paul RAILWAY**

Owms and operates 6,600 miles of thoroughly equipped road.

**FIRST-CLASS IN EVERY RESPECT**

It traverses the best sections of the States of  
**Illinois, Wisconsin, Iowa, Missouri, Minnesota, South Dakota, North Dakota, and the Upper Peninsula of Michigan.**

For further information, address

**F. A. MILLER,**  
General Passenger Agent,  
CHICAGO, ILL.



**Queen & Crescent and Southern Railway.**

To Florida and all southern resorts three through sleeping car lines from Chicago to Jacksonville and St. Augustine via Cincinnati, Chattanooga and Atlanta, Composite, Observation and Dining cars enroute. Write for printed matter.

**W. A. BECKLER, N. P. A.,** 113 Adams St., Chicago.  
Telephone Central 1682.

**W. J. MURPHY,**  
Gen'l Manager,

**W. C. RINEARSON,**  
Gen'l Passenger Agent.  
Cincinnati, O.

**All Aboard FOR THE National Educational Association AT Minneapolis, Minn., July 7-11, 1902.**

Secure all needed information for your trip from the  
**BURLINGTON, CEDAR RAPIDS & NORTHERN RAILWAY, THE DIRECT ROUTE**

**Low Rates Good Service Fast Time**

For Folders, Rates, etc., see Agents or address

**JNO. G. FARMER,**  
G. P. & T. A., B. C. R. & N. R'Y.,  
Cedar Rapids, Iowa.

Paul

ughly

CT

of

Mis.

er

ent,

ILL.

ation

02.

four

RAILWAY,

E

Time

ddress

R.Y.

Iowa.



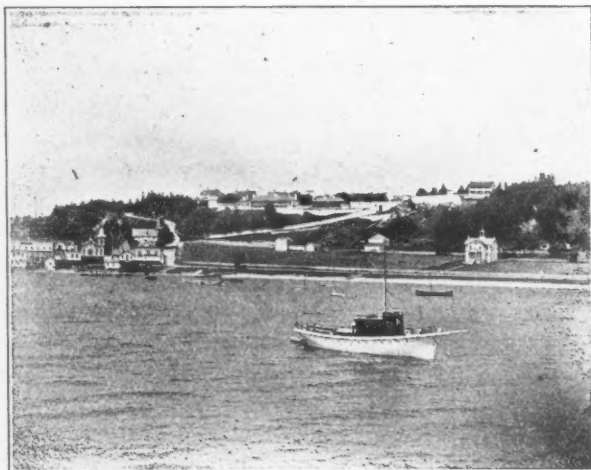


**N. E. A.**



**Side Trips**

**JULY 11-21, 1902.**



**Round  
Trip  
Tickets**

**ONE  
FARE**

Lakes of  
Minnesota  
Summer  
Resorts of  
Wisconsin  
Mackinac  
"Soo"

Points in  
Michigan  
Wisconsin  
Minnesota  
North & South  
Dakota

**ONE FARE**

**Kootenay Lakes** = = **\$40.00**  
AND RETURN

**North Pacific Coast** - **\$45.00**  
AND RETURN

**Banff the Beautiful** = **\$50.00**  
All Expenses included

**GRAND TOUR**

Personally conducted by MISS MARTHA SCOTT ANDERSON to Rocky Mountains,  
North Pacific Ocean, Kootenay Lakes.

**19 Days, all Expenses,** = = **\$150.00**

Are among the many attractions offered by the "SOO LINE." For particulars  
and publications call at Ticket Offices

**CHICAGO**  
228 South Clark Street.

**ST. PAUL**  
379 Robert Street.

**MINNEAPOLIS**  
119 South Third Street.

**W. R. CALLAWAY, Gen. Pass. Agent, Minneapolis, Minn.**

ADVERTISEMENTS.

## Civics, Economics, Law and Politics

Increasing attention is now being paid to the Civil Government of the United States, and to questions of politics and political economy in general. The demand for reliable and authoritative text-books is fully met by the publications of the American Book Company, the latest among which may be mentioned **THE GOVERNMENT: WHAT IT IS; WHAT IT DOES**, by Salter Storrs Clark, a text-book prepared especially for High Schools and covering the entire field of Civil Government. This book is unique not in what it tells but in the manner of telling, and with its Supplementary Work at the end of each chapter, its Maps and Diagrams, its Suggestive Illustrations, its short summary of the Principles of International Law, and its Appendix including comparison of our government with those of other countries, compels the belief that it is a book that will be warmly welcomed in our preparatory schools. The 1901 Edition of **ANDREWS'S MANUAL OF THE CONSTITUTION OF THE UNITED STATES** for fourth year High School and Junior College work continues to occupy an individual place. It is exclusively an exposition of the principles of the Constitution, and has the indorsement of five Presidents of the United States, Members of the Supreme Court, and other high authorities. In the new edition of **LAUGHLIN'S ELEMENTS OF POLITICAL ECONOMY**, which has been since its publication recognized as the leading elementary book, the current questions of the day receive full consideration. The plan of the book remains unchanged, but on almost every page the author shows the results of new views of his subject and new applications of them. As Head Professor of Political Economy in the University of Chicago, Dr. Laughlin comes in contact with all sorts and conditions of students, and this book offers the results of his ripe experience. **WILLOUGHBY'S RIGHTS AND DUTIES OF AMERICAN CITIZENSHIP** is another late "Civics" far from the beaten track in its writing, but stimulating and suggestive and particularly available where time can be found to enlarge on the suggestiveness of the author's treatment.

**THE GOVERNMENT OF THE UNITED STATES**, by W. J. Cocker, **FIRST LESSONS IN CIVICS**, by S. E. Forman, **ELEMENTS OF CIVIL GOVERNMENT**, by A. L. Peterman, and **A SHORTER COURSE IN CIVIL GOVERNMENT**, by Calvin Townsend, are more elementary books suited to eighth and ninth years in school: while for teachers who wish to give a course in Civil Government but have not opportunity for individual research, **McCLEARY'S STUDIES IN CIVICS**, especially when used in connection with the author's **TEACHERS' MANUAL** is practically unrivaled and has no competitor in its particular province. The strictly topical method is exemplified in **TOWNSEND'S ANALYSIS OF CIVIL GOVERNMENT**. **BLY'S DESCRIPTIVE ECONOMICS**, **NORDHOFF'S POLITICS FOR YOUNG AMERICANS**, and **WILLIAMS AND ROGERS' COMMERCIAL LAW** are books that can be used to great advantage by teachers in their respective fields. Correspondence regarding these books is cordially invited by the publishers.

15 1577 (23)

AMERICAN BOOK COMPANY

NEW YORK

CHICAGO

CINCINNATI

